

**EUROPEAN PATENT OFFICE**

## Patent Abstracts of Japan

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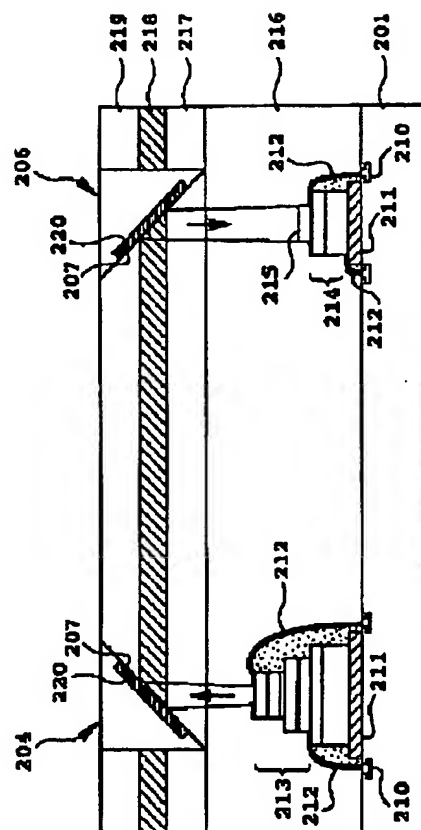
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**TITLE : OPTOELECTRONIC INTEGRATED  
CIRCUIT AND ITS PRODUCTION**



**ABSTRACT :** PROBLEM TO BE SOLVED: To produce an optoelectronic integrated circuit with high accuracy at a low cost which enables fast signal processing in large capacity.

**SOLUTION:** This optical waveguide circuit consists of an optoelectronic combined circuit substrate 201 in which electronic devices and optical devices are integrated, and at least one optical waveguide layer consisting of a flattening polymer layer 216, polymer lower clad layer 217, polymer core layer 218 and polymer upper clad layer 219 laminated on the substrate. The optical waveguide layer has an optical waveguide and an optical path converting part 207.

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